EOP-8670

IXP 425 Platform IEEE802.3af

EOP-8670 is an embeddd processor board with popoular network and I/O interface support. With Linux boot loader pre-installed, software designer will save time in hardware-related design effort hence focus on value-added software application program.

Leveraging exisiting industry ecosystem, customer will be able to launch its own product in shortest time with minimum effort. With on board dual mini-PCI, 802.2af PoE and serial port, EOP-8670 is perfect choice for enterprise-level dual-band AP/Router supporting Wi-Fi, WiMAX and Mesh.

Specifications

Hardware Specifications

CPU

Intel® 425 533 MHz

Memory

Flash: 16 MB

DRAM: 64 MB (-75ns, 133MHz); 128MB (factory option)

Interface

Ethernet

- Two RTL8201BL PHY
- MDI/MDIX auto-crossover
- 802.3 MII interfaces that additionally support RMII interfaces
- Single MDIO interface to control both MII/RMII interfaces

PCI

- 2*Mini-PCI (PCI 2.2)
- 32-bit interface

Diagnostics

- 1*JTAG
- 2*Console (D-Sub x 1 ; pin-header x 1)

LED

Power, LAN1, Link1, LAN2, Link2, WLAN1, WLAN2

External User interface

1*Power

1*RS-232 (D-Sub)

2*RJ-45

DC Input

- 5V/ 3A DC-In
- IEEE802.3af Power-over-Ethernet (PoE)
- Power Forwarding between LAN1 and LAN2

(subject to 802.3af maximum loading)

Board Dimensions:

135 x 94*1.6mm

Mechanical

Indoor and outdoor (IP67/IP68) enclosure available

Software Specifications

Boot Loader

Redboot v. 1.94 or v2.0

Linux Operation System Support

MontaVista, Snapgear, etc, (by customer)

Development Kits

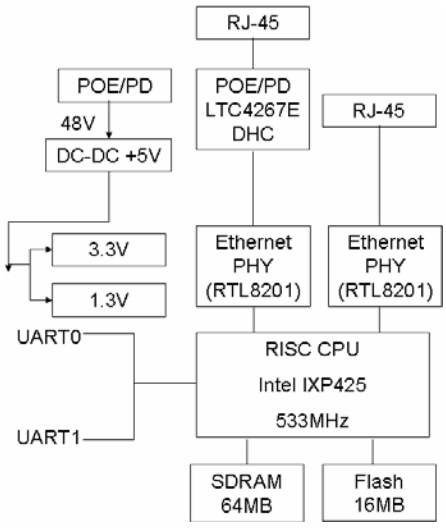
Linux

Montavista

VxWorks

Snapgear

Other Linux OS which supports IXP 4XX BSP



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